

## **08 S32 - Molecular Basis of Cancer**

The cause, origin and pathogenesis of cancer in general and several specific neoplasms of humans and domestic animals will be highlighted on the cellular and molecular levels. Topics will include cell cycle regulation, multistep carcinogenesis, oncogenes and tumor suppressor genes, apoptosis in cancer, angiogenesis and anti-angiogenesis, invasion and metastasis, tumor immunology, tumor inducing viruses and continuing problems in cancer therapy. A background in cell biology and molecular biology would be advantageous, a veterinary background is not required.

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